

CLAIMS

The embodiments in which an exclusive property or privilege is claimed are defined as follows:

1. A catalyst assembly for emission control of an engine, said catalyst assembly characterized by:

a longitudinally extending container having an inlet and outlet at opposite ends thereof;

said container having a enlarged diameter central section and a tapered section interposed between the central section and at least one of the inlet and outlet;

a catalyst substrate mounted in the central section and having two opposite end faces;

at least one of said two opposite faces being contoured to extend axially into a respective interior defined by said tapered section.

2. A catalyst assembly as defined in claim 1 further characterized by:

said container having a respective tapered section interposed between the central section and both the inlet and outlet;

both of said two opposite faces of said catalyst substrate being contoured to extend axially into the interior defined by said respective tapered section.

3. A catalyst assembly as defined in claim 2 further characterized by:

said respective tapered section and said opposite ends of said catalyst substrate form two axially oppositely disposed gaps that are tapered toward an outer radial periphery of